



# DRONETECH "DRONE BUILD" STEM CAMP

## ABOUT THE EVENT

This course will give students the opportunity to assemble, calibrate, and experiment with the ELEV-8 v4 Quadcopter, a small unmanned aircraft systems purpose-built for education. Students will assemble a quadcopter and learn about each of its components, their composition and their function. Students will then learn safety, legal, and ethical considerations regarding unmanned aircraft systems.

We will introduce the Ryze Tello STEM drone and participants will learn how to interface via mobile application and traditional controller. We will teach the basics of block coding and how the Tello can be programmed for autonomous flight. You will get a chance to practice flying the Tello's in a controlled environment using the flying and coding skills acquired throughout this camp. Lastly, we will teach participants about possible application-specific modifications that can be made to the Tello using 3D print technology and how it can be used as a tool for student competitions.



**DRONETECH**  
UNMANNED AIRCRAFT SYSTEMS

## WHO SHOULD ATTEND

Students (Grades 9-12)

## DATE | TIME

July 29 - 30, 2021 | 9:00 AM - 3:00 PM

## LOCATION

Fletcher Technical Community College  
1407 LA-311  
Schriever, LA 70395

## REGISTRATION INFO

Pre-registration is required for this FREE workshop (meals included).

Register online: [ncatech.org/events](https://ncatech.org/events)

*For questions, contact*

**DRONETECH@northlandcollege.edu**

